

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2021/0099685 A1 Katz

(43) **Pub. Date:**

Apr. 1, 2021

(54) MULTI-DIMENSIONAL RENDERING

(71) Applicant: Sagi Katz, Yokneam Ilit (IL)

Inventor: Sagi Katz, Yokneam Ilit (IL)

Appl. No.: 16/674,086 (21)

Nov. 5, 2019 (22) Filed:

Related U.S. Application Data

(60) Provisional application No. 62/907,745, filed on Sep. 30, 2019.

Publication Classification

(51) Int. Cl.

H04N 13/111 (2006.01)H04N 5/262 (2006.01)H04N 13/128 (2006.01)

G06T 19/00 (2006.01)H04N 13/332 (2006.01)

(52) U.S. Cl.

CPC H04N 13/111 (2018.05); H04N 5/2627 (2013.01); H04N 2013/0081 (2013.01); G06T 19/006 (2013.01); H04N 13/332 (2018.05); H04N 13/128 (2018.05)

(57)ABSTRACT

A photo filter (e.g., multi-dimensional) light field effect system includes an eyewear device having a frame, a temple connected to a lateral side of the frame, and a depthcapturing camera. Execution of programming by a processor configures the system to create an image in each of a least two dimensions and create a multi-dimensional light field effect image with an appearance of a spatial rotation or movement and transitional change, by blending together a left photo filter image and a right photo filter image in each dimension and blending the blended images from all dimensions.



